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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,188	02/25/2004	Benjamin Sonnenreich	KSI-227US1	2392
56223 7590 08/03/2006		EXAMINER		
KULICKE AND SOFFA INDUSTRIES, INC.			TRAN, LEN	
1005 VIRGINIA DRIVE FORT WASHINGTON, PA 19034		ART UNIT	PAPER NUMBER	
		1725		
			DATE MAILED: 08/03/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
Office Action Summary		••			
		10/786,188 Examiner	SONNENREICH ET AL.		
	•	Len Tran	1725		
TI	ne MAILING DATE of this communication app				
Period for R					
WHICHE - Extensions after SIX (in the second	TENED STATUTORY PERIOD FOR REPLY VER IS LONGER, FROM THE MAILING DAS of time may be available under the provisions of 37 CFR 1.13 b) MONTHS from the mailing date of this communication. It is specified above, the maximum statutory period we reply within the set or extended period for reply will, by statute, eceived by the Office later than three months after the mailing ent term adjustment. See 37 CFR 1.704(b).	TE OF THIS COMMUNICATI 6(a). In no event, however, may a reply be ill apply and will expire SIX (6) MONTHS fr cause the application to become ABANDO	ON. The timely filed Tom the mailing date of this communication. The property of the communication of the communication.		
Status					
2a)	sponsive to communication(s) filed on <u>5/30/6</u> s action is FINAL . 2b)⊠ This ce this application is in condition for allowan sed in accordance with the practice under <i>E</i> .	action is non-final. ce except for formal matters,	•		
Disposition	of Claims				
4a) 5)⊠ Cla 6)⊠ Cla 7)⊠ Cla 8)□ Cla Application 9)□ The 10)□ The	im(s) 17-23 and 27-39 is/are pending in the Of the above claim(s) is/are withdraw im(s) 27 and 36-39 is/are allowed. im(s) 17-20,22,23 and 28-35 is/are rejected im(s) 21-22 is/are objected to. im(s) are subject to restriction and/or Papers specification is objected to by the Examiner drawing(s) filed on is/are: a) accellicant may not request that any objection to the oblacement drawing sheet(s) including the correction of the collicant may sheet(s) including the correction of the oblacement drawing sheet(s) including the correction is objected to by the Examiner drawing sheet(s) including the correction of the oblacement drawing sheet(s) in the oblacement drawing she	n from consideration. election requirement. epted or b) □ objected to by the drawing(s) be held in abeyance.	See 37 CFR 1.85(a).		
11) <u></u> The	oath or declaration is objected to by the Ex	aminer. Note the attached Offi	ce Action or form PTO-152.		
Priority unde	er 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
2) Notice of I 3) Informatio	References Cited (PTO-892) Draftsperson's Patent Drawing Review (PTO-948) n Disclosure Statement(s) (PTO-1449 or PTO/SB/08) s)/Mail Date	4) Interview Summa Paper No(s)/Mai 5) Notice of Informa 6) Other:			

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/30/06 has been entered.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 17-20, 23, 28-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gilding (US 4,049,506), and further in view of Evans (US 4,950,365).

Gilding discloses a capillary bonding tool for bonding a fine wire to a bonding location comprising the steps of providing a body portion of the capillary bonding tool, the body portion defining an orifice configured to receive a wire for bonding to a bonding location, the body portion extending to a tip portion (figures).

Gilding fails to teach a polymer coating, polyparaxylenes, on the exterior of the tip portion having a thickness between 0.1 to 2 microns and the coating step comprising forming a

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precursor monomer at a first temperature and pressure and forming a coating step from the precursor monomer at a second temperature and pressure.

However, Evans discloses the method of coating a polyparaxylene to a hard surface to retain its hard, wear resistant surface, its decorative tone and its resistance to corrosion (col. 4, lines 10-15).

Therefore, it would have been obvious to an ordinary skill in the art at the time applicant's invention was made to apply a coating of polyparaxylene as taught by Evans, to the capillary tool of Gilding in order for the tool to achieve a hard surface, a surface resistant layer, and corrosion resistant layer.

In addition, the thickness of the polymer would have been obvious to an ordinary skill in the art, since that would depend on the usage of the tool. If the tool is to be used repeatedly, then it would be obvious to have a thicker layer.

Furthermore, it would have been obvious to form a precursor monomer with a first temperature and a first pressure and during coating the polymer, the temperature and pressure would be different, since this involves a different process.

Allowable Subject Matter

4. Claims 27 and 26-39 are allowed. Application/Control Number: 10/786,188 Page 4

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5. Claims 21 and 22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Len Tran whose telephone number is (571) 272-1184. The examiner can normally be reached on M-F, 8:30 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000. Tens

Len Tran Primary Examiner

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